

MONTANA FISH, WILDLIFE & PARKS

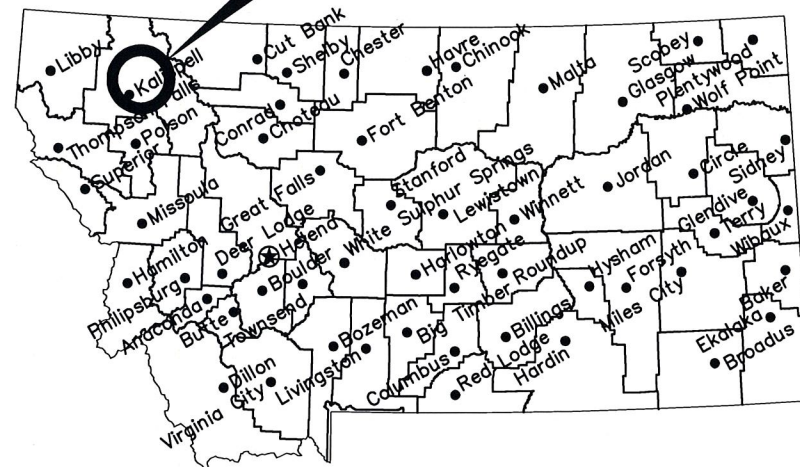
TEAKETTLE FISHING ACCESS SITE

PARKING IMPROVEMENTS

Columbia Falls, MT

FWP# 7133703

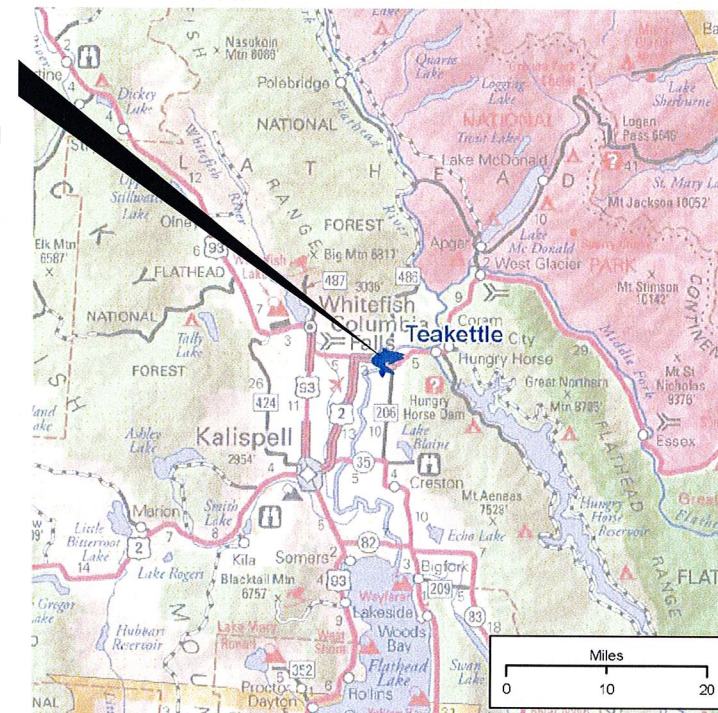
Project Location



Location Map

No Scale

Project Location



Vicinity Map

No Scale

North



MONTANA FISH, WILDLIFE AND PARKS
DESIGN AND CONSTRUCTION

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DRAWING INDEX

- 1 COVER SHEET
- 2 OVERALL SITE PLAN
- 3 GRADING PLAN
- 4 TYPICAL SECTIONS/MISC. DETAILS



8-19-15

M. McNearney 8/2015
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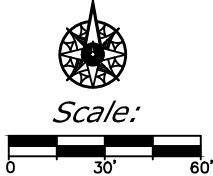
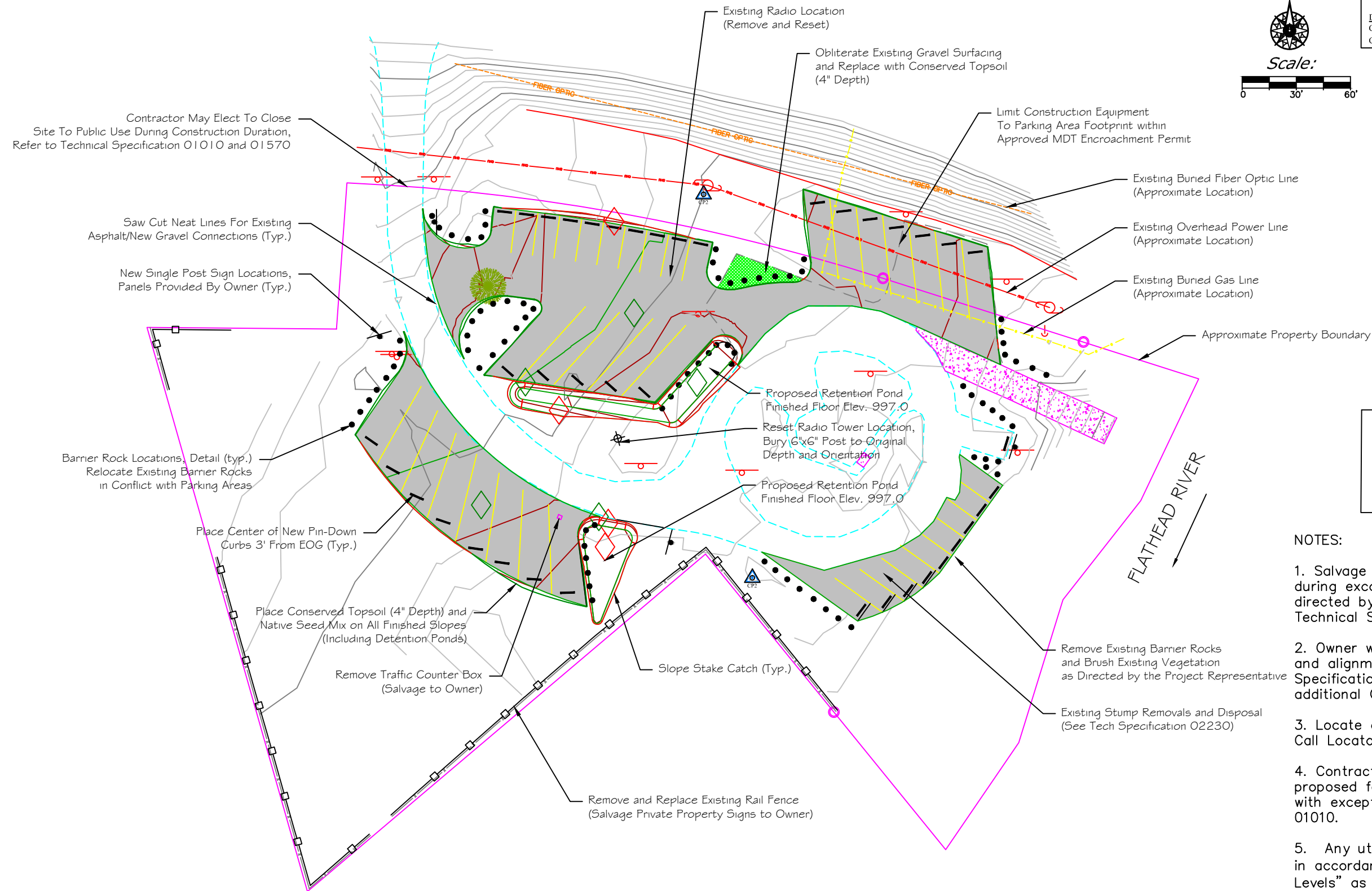


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Cover Sheet
Teakettle FAS (near Columbia Falls, MT)

SHEET: 1 of 4



CONTROL POINTS			
Description	North	East	Elevation
CP1	10,000.00	5,000.00	1000.00
CP2	9,787.49	5,026.99	998.12

LEGEND	
<u>Existing Features</u>	
Edge of Pavement	---
<u>"Quality Level D" Utilities</u>	
Gas Line (Buried)	---
Power (Overhead)	---
Fiber Optic (Buried)	---
Power Pole	⊕
Fence	---
Property Bdry.	---
Control Point	△
Concrete Surfacing	▨
Signing	⊕
<u>Proposed Features</u>	
Gravel Surfacing	▨
Roadway Obliteration w/Cons. Topsoil	▨
Pin-Down Curb	---
Barrier Rock	●
Wood Rail Fence	---
Single Post Sign	⊕

ESTIMATED EARTHWORK QUANTITIES		
Material	Quantity	Unit
Excavation (Parking Areas)	1,100	CY
Excavation (Retention Ponds)	110	CY
Majority of Excavation To Be Hauled Off Site, Except For Conserved Topsoil		

- NOTES:
1. Salvage all existing signs encountered during excavation construction. Reset as directed by the Project Representative, see Technical Specification, 02112.
 2. Owner will establish initial survey control and alignment grade stakes, see Technical Specification 01050, Field Engineering for additional Contractor surveying requirements.
 3. Locate all buried utilities by calling One Call Locators, 1-800-424-5555.
 4. Contractor can use the existing and proposed footprint for staging and stockpiling, with exceptions, see Technical Specification 01010.
 5. Any utilities depicted on these plans are in accordance with their achieved "Quality Levels" as defined in the American Society of Civil Engineer's document ASCE 38, "Standard for the Collection and Depiction of Existing Subsurface Utility Data."

M. McNearney 8/14/15
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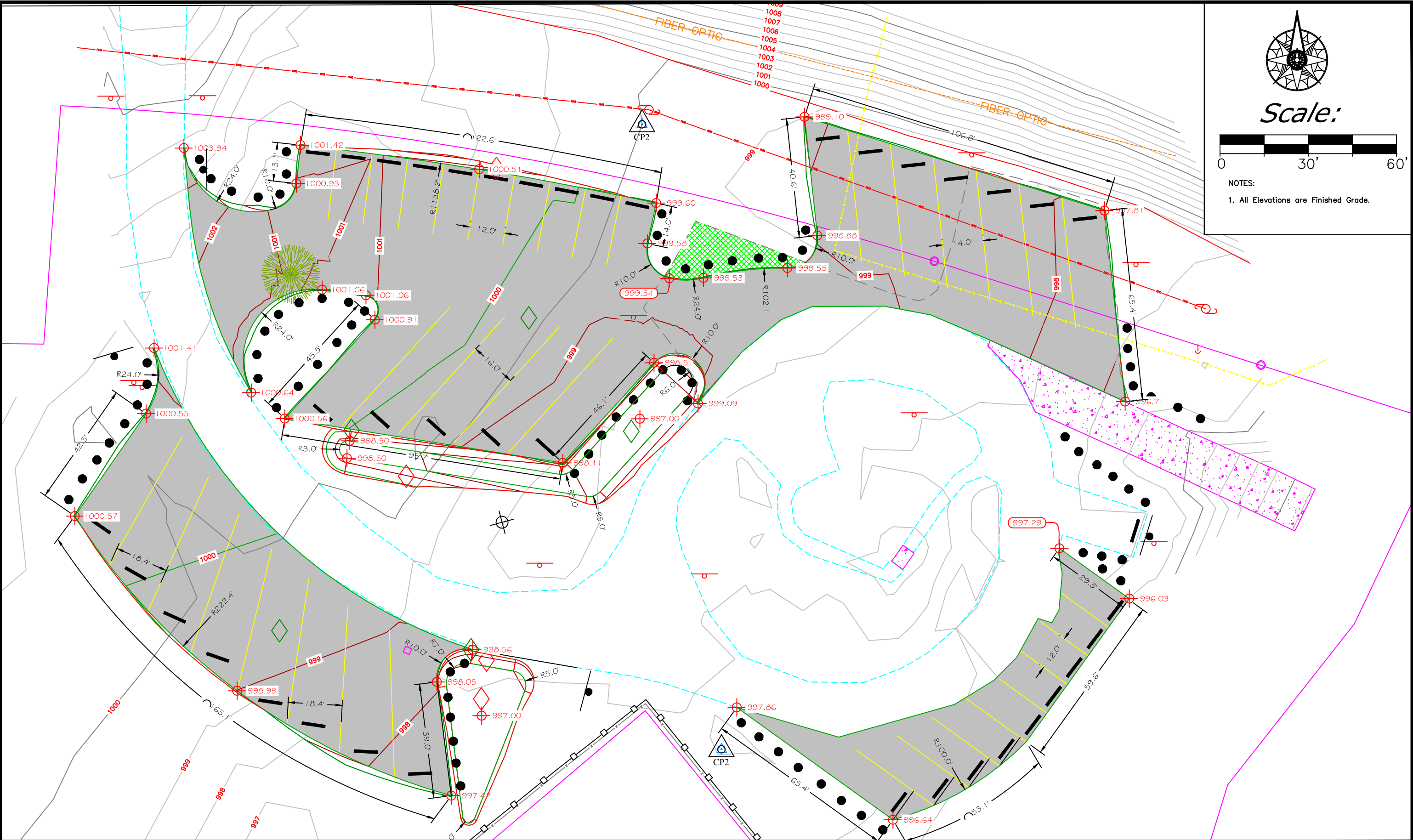



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Overall Site Plan


Teakettle FAS (near Columbia Falls, MT)

SHEET: 2 of 4





Scale:



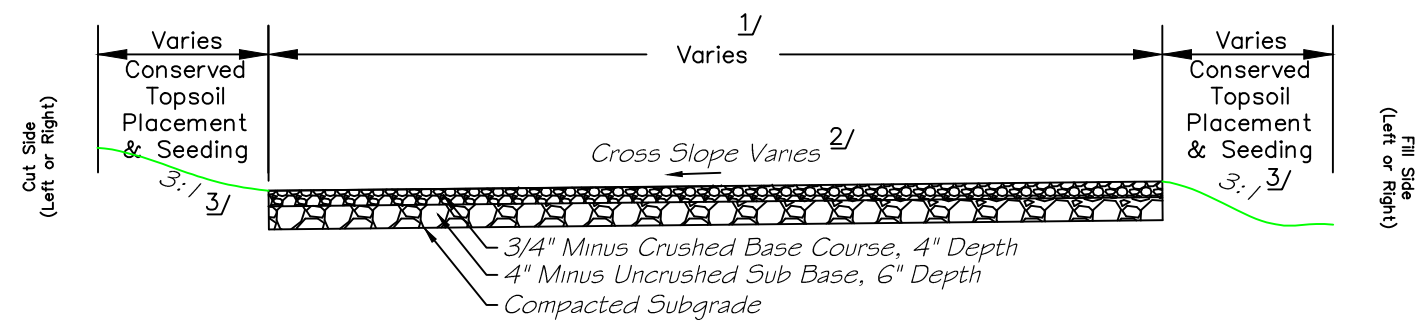
0 30' 60'

NOTES:

1. All Elevations are Finished Grade.

PARKING AREA TYPICAL SECTION

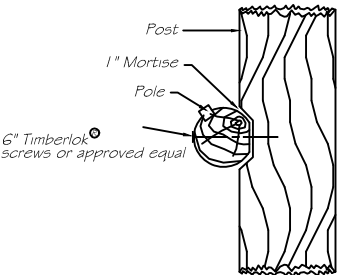
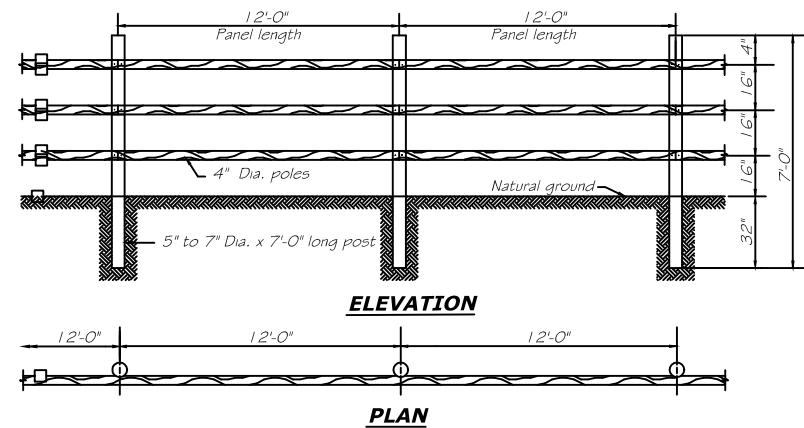
(Not to Scale)



- 1/ See Grading Plan for Dimensions.
2/ See Grading Plan for Finished Elevations.
3/ Saw Cut Existing Asphalt for Transition to Gravel Connections. No Conserved Topsoil or Seeding Required.

RAIL FENCE DETAIL

(Not to Scale)



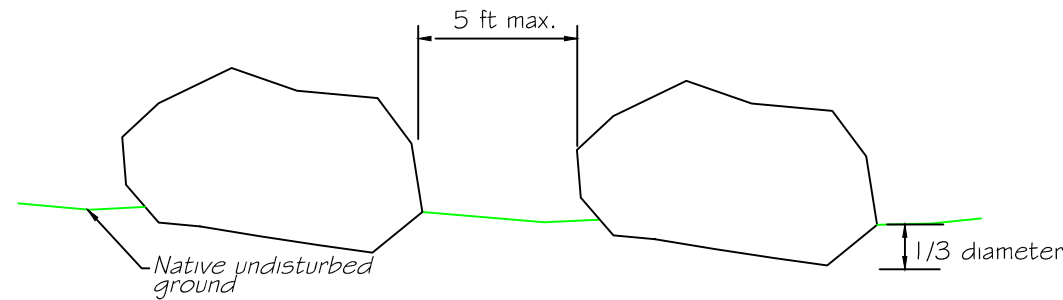
POST AND POLE CONNECTION

(Not to Scale)

- NOTES:
1. Bevel pole @ post to achieve 3" thickness.
2. Post and poles to be fully treated, see Section 02820.

BARRIER ROCK DETAIL

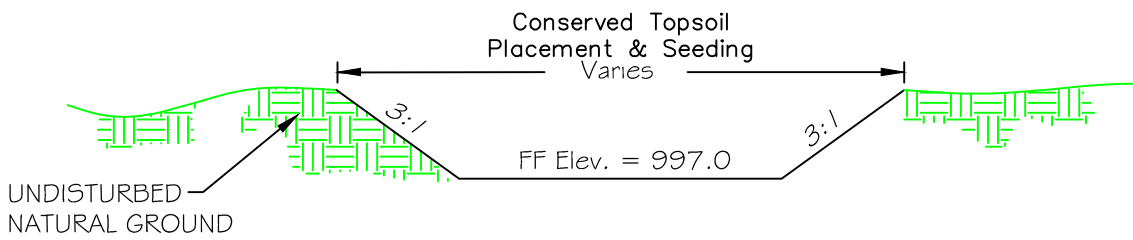
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- NOTES:
1. Embed barrier rocks 1/3 of barrier diameter.
2. Backfill each boulder with barrier rock excavation material.
3. Space barrier rocks at a maximum distance of 5 ft (edge to edge).
4. Place barrier rocks 5-6 ft from edge of road (edge to gravel).

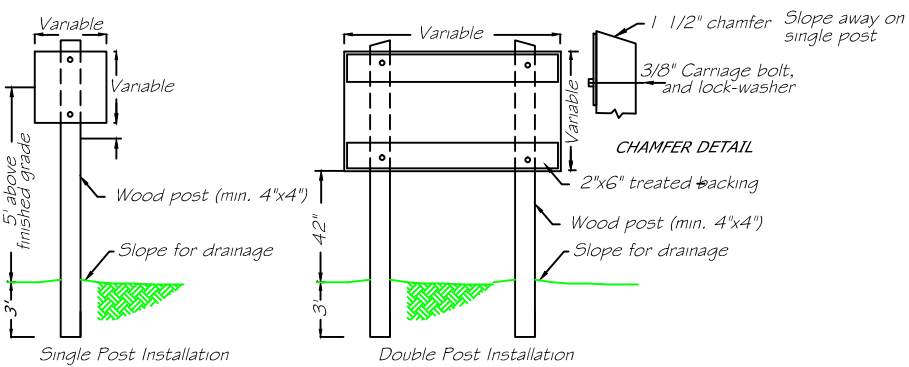
RETENTION POND DETAIL

(Not to Scale)



SIGN POST MOUNTING DETAIL

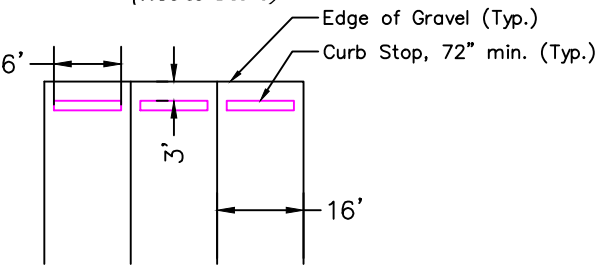
(Not to Scale)



- NOTES:
1. Use pressure treated timbers for all sign posts. Need break-away holes (or device) for larger posts.
2. Coat all posts with preservative for all drilled holes and cut surfaces.
3. Use cadmium plated or galvanized steel for all bolts, nuts & washers.
4. Place bolts to not interfere with sign lettering. Paint bolt heads to match sign.
5. Center single post panels to post, overhang panels 3" beyond posts for double post installations. Extend all posts 3" above sign panels.
6. See break-away detail for posts larger than 4 inches in diameter.

PIN-DOWN CURB LOCATION DETAIL

(Not to Scale)



- NOTES:
1. Place Center of Pin-Down Curb 3 Feet From Edge of Gravel for Angled Parking.

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Typical Sections/Misc. Details
Teakettle FAS (near Columbia Falls, MT)

SHEET: 4 of 4